BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

SECTION- IX

VOLUME-II

Bill of Quantities (BOQ)

PART-I SUPPLY PORTION				
SL No	**Particulars**	**Unit**	**Total Qty**	**Material code**
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	**10**	200005
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	**25**	200006
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	**35**	CDS materials for General works
4	Supply & Providing of 45KN Composite polymer insulators.	No	**33**	283320
5	Supply & Providing of 11kV Composite Polymer pins insulators.(24mm dia FRP rod)	No	**87**	283008
6	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	**12**	CDS materials for General works
7	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification	Km	**10.181**	284108
8	Supply & Providing of Spiral Earth Electrode	No	**35**	281683
9	Supply & erection of DP set (2 pole structure kit- GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	**5**	CDS 46
10	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	**9**	304212
11	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	**7**	280149
12	Supply & providing of 11kV Spl 3pin X-arms, pole clamps, bolts for PSCC pole- GI	No	**16**	280013
13	Supply & providing of 11kV Class DOLO Cutouts	Set (3 Nos)	**7**	302011
14	Supply & providing of Guardings Materials for road crossing(span=40 mtr)	Span	**5**	278916
15	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	**13**	613050
16	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	**17**	278911
17	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	**16**	CDS materials for General works
18	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	**4**	CDS materials for General works
19	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**4**	321438
20	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	**18**	281674+600095+607054, CDS 60
21	Supply & providing of GI wire 8SWG	kg	**30**	281008
22	Supply & providing of Guy wire 7/10SWG	kg	**40**	281110

23	Supply & providing of 11kV lightning arrestors, poliymer Type,9kV 5 kA (Set=3No)	Set	**4**	303202, CDS 60
24	Supply & providing of LT Protection kit	No	**7**	301107
25	Supply & providing of LT wiring (from 63 KVA DTC to LT line)		**4**	
	i) Al Lead Wire - 95 Sqmm	Mtr	**160**	289031
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	**16**	288531
	iii) PG Clamp - Rabbit to 95 Sqmm	No	**16**	285508, CDS 60
	iv) Spacer for DTC Wiring	No	**32**	284503
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**8**	280800+280511, CDS 60
	vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**4**	CDS 39
26	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	**6**	302122
27	supply & providing Transparent Alkathine tube 19mm dia, 2mm thick in coils of 30 mtrs	Coil	**6**	821900
28	11 kV, 200 Amps, Single Break GOS	**set**	**4**	304212
29	Supply & Erection of 9M PSCC pole WL 300Kg	No	**2**	200005
30	Supply & Providing of providing of 11kV Composite Polymer pins insulators.(24mm dia FRP rod)	No	**6**	283008
31	Supply & Erection of Single Pole Mounted Transformer kit for 25 kVA on 9 mtr PSCC Poles of 300kG WL --GI with H-frame	Set	**2**	280119, CDS materials for General works
32	Supply & Erection of 11kV/433V, 25 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**2**	321437
33	Supply & providing of Guy wire 7/10SWG	kg	**20**	281110
34	Supply & providing of 11kV lightning arrestors, polymer Type, 9kV 5kA(Set=3No)	Set	**2**	303202, CDS 60
35	Supply & providing of LT wiring (from 25 KVA DTC to LT line)		**2**	
36	Aluminium lead wire 50 sqmm	Mtr	**50**	289031
37	Heavy duty long barrel copper lugs- 50 sqmm	No	**8**	288531
38	P.G Clamps - Rabbit to 50 sq.mm	No	**8**	285508, CDS 63
39	Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**16**	280800+280511, CDS 63
40	Spacers for DTC wiring	No	**16**	284503
41	LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**2**	CDS 39
42	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	**18**	200004
43	LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	**8**	280014, CDS materials for General works

44	LT 2 Pin Cross Arm with clamps, bolts, nuts for PSCC Pole - 8 Mtr Long, 200 Kg WL- GI	Set	**6**	280012, CDS materials for General works
45	1.1 kV Pin Insulator with GI Pin	No	**13**	283053, CDS 5
46	No. 8 Strain Insulator	No	**8**	283158
47	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	**12**	CDS materials for General works
48	Rabbit ACSR Conductor	KM	**1.54**	284108
49	Spiral Earth Electrode	No	**10**	281683
50	Guy concreting with Boulders, Mud and Sand	No	**4**	0
51	PVC Pipe 40 mm Dia	Mtr	**60**	CDS 69
52	PVC Insulated wire 25 Sqmm Single Core Multi Stranded	Mtr	**60**	CDS 69
53	Anti Climbing Device (12 Mtr GI Barbed Wire) Lumpsum	Kg	**7**	278911
54	1.1kV Class 3 Phase Aerial Bunched Cable of size 3x95+1x16+1x70 Sq. mm	**KMs**	**0.3**	CDS 37
55	Piercing connector suitable for 16 Sq. mm - 95 Sq. mm AB Cable - Service Connections	No's	**15**	CDS 37
56	Suspension Clamp Assembly 16 to 70 mm (Excluding pole clamp & Eye Hook)	Sets	**18**	CDS 37
57	Pole clamp for HT/LT AB cable	Sets	**8**	CDS 37
58	Eye Hook (Flat type) for fixing Clamps	Sets	**12**	CDS 37
59	Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sq mm (excluding pole clamps and Eye hook)	Sets	**6**	CDS 37
60	Universal Hook, Bolts & nuts	No's	**8**	CDS 37
61	T-connector KZ3 95	No's	**4**	CDS 37
62	Cable Straight thru' joint kits suitable for 95 Sqmm	Sets	**10**	CDS 37
63	Pre-Insulated lugs-CPTAU for 95 Sqmm	No's	**10**	CDS 37
64	End cap for 50/70 Sqmm	No's	**6**	CDS 37
65	Guy Concreting with Mud, Boulders & Sand	Sets	**8**	CDS 37
66	PVC Insulated wire 16/25 Sqmm	Mtrs	**20**	CDS 37
67	Spiral Earth Electrodes	No's	**10**	CDS 37

PART-I ERECTION PORTION			
SL No	**Particulars**	**Unit**	**Total Qty**
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	**10**

2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	**25**
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	**35**
4	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	**12**
5	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification	Km	**10.181**
6	Supply & Providing of Spiral Earth Electrode	No	**35**
7	Supply & erection of DP set (2 pole structure kit- GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	**5**
8	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	**9**
9	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	**7**
10	Supply & providing of 11kV Spl 3pin X-arms, pole clamps, bolts for PSCC pole- GI	No	**16**
11	Supply & providing of 11kV Class DOLO Cutouts	Set (3 Nos)	**7**
12	Supply & providing of Guardings Materials for road crossing(span=40 mtr)	Span	**5**
13	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	**13**
14	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	**17**
15	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	**16**
16	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L-GI	Set	**4**
17	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**4**
18	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	**18**
19	Supply & providing of 11kV lightning arrestors, poliymer Type,9kV 5 kA (Set=3No)	Set	**4**
20	Supply & providing of LT Protection kit	No	**7**
21	Supply & providing of LT wiring (from 63 KVA DTC to LT line)		**4**
	i) Al Lead Wire - 95 Sqmm	Mtr	**160**
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	**16**
	iii) PG Clamp - Rabbit to 95 Sqmm	No	**16**
	iv) Spacer for DTC Wiring	No	**32**
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**8**

	vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**4**
22	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	**6**
23	11 kV, 200 Amps, Single Break GOS	**set**	**4**
24	Supply & Erection of 9M PSCC pole WL 300Kg	No	**2**
25	Supply & Erection of Single Pole Mounted Transformer kit for 25 kVA on 9 mtr PSCC Poles of 300kG WL --GI with H-frame	Set	**2**
26	Supply & Erection of 11kV/433V, 25 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**2**
27	Supply & providing of 11kV lightning arrestors, polymer Type, 9kV 5kA(Set=3No)	Set	**2**
28	Supply & providing of LT wiring (from 25 KVA DTC to LT line)		**2**
a	Aluminium lead wire 50 sqmm	Mtr	**50**
b	Heavy duty long barrel copper lugs- 50 sqmm	No	**8**
c	P.G Clamps - Rabbit to 50 sq.mm	No	**8**
d	Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**16**
e	Spacers for DTC wiring	No	**16**
f	LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**2**
29	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	**18**
30	LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	**8**
31	LT 2 Pin Cross Arm with clamps, bolts, nuts for PSCC Pole - 8 Mtr Long, 200 Kg WL- GI	Set	**6**
32	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	**12**
33	Rabbit ACSR Conductor	KM	**1.54**
34	Spiral Earth Electrode	No	**10**
35	Guy concreting with Boulders, Mud and Sand	No	**4**
36	Anti Climbing Device (12 Mtr GI Barbed Wire) Lumpsum	Kg	**7**
37	1.1kV Class 3 Phase Aerial Bunched Cable of size 3x95+1x16+1x70 Sq. mm	**KMs**	**0.3**
38	Piercing connector suitable for 16 Sq. mm - 95 Sq. mm AB Cable - Service Connections	No's	**15**
39	Suspension Clamp Assembly 16 to 70 mm (Excluding pole clamp & Eye Hook)	Sets	**18**
40	Pole clamp for HT/LT AB cable	Sets	**8**
41	Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sq mm (excluding pole clamps and Eye hook)	Sets	**6**
42	Universal Hook, Bolts & nuts	No's	**8**

43	T-connector KZ3 95	No's	**4**
44	Cable Straight thru' joint kits suitable for 95 Sqmm	Sets	**10**
45	Pre-Insulated lugs-CPTAU for 95 Sqmm	No's	**10**
46	End cap for 50/70 Sqmm	No's	**6**
47	Guy Concreting with Mud, Boulders & Sand	Sets	**8**
48	Spiral Earth Electrodes	No's	**10**